ABSTRACT

Provided is a magnetic material with excellent magnetic properties to be used for recording media, which contains small ratio of superparamagnetic fine particles while maintaining high coercivity. It is spinel ferrimagnetic particles, a composition equation of which when prepared is $(CoO)_{0.5-x}(NiO)_{0.5-y}(MO)_{x+y} \cdot n/2(Fe_2O_3)$ (M is a bivalent metal except Co and Ni) and a value of n (molar ratio) = Fe/(Co + Ni + Zn) is $2.0 < n < 3.0$, which is larger than stoichiometric amount (n = 2) of a spinel ferrite and less than that of 1.5 times, and values of x, y satisfy $0 \leqq x < 0.5$, $0 \leqq y < 0.5$, $0 < x + y < 0.5$, wherein, also, superparamagnetic fine particles contained in the spinel ferrimagnetic particles is 5 % by mass or less.